Performance Data Sheet

AKA5512EXV

General Information

Model	AKA5512EXV	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h							
	Watts							
	Amps							
	Lb/h							
-10	Btu/h							
	Watts							
	Amps							
	Lb/h							
-5	Btu/h							
	Watts							
	Amps							
	Lb/h							
0	Btu/h							
	Watts							
	Amps							
	Lb/h							
5	Btu/h							
	Watts							
	Amps							
	Lb/h							
10	Btu/h							
	Watts							
	Amps							
	Lb/h							
15	Btu/h							
	Watts							
	Amps							
	Lb/h							
20	Btu/h							
	Watts							
	Amps	85300	85300	85300	85300	85300	85300	85300
	Lb/h							

25	Btu/h							
	Watts							
	Amps	34100	34100	34100	34100	34100	34100	34100
	Lb/h	62100	62100	62100	62100	62100	62100	62100
30	Btu/h							
	Watts							
	Amps	6100	6100	6100	6100	6100	6100	6100
	Lb/h	11200	11200	11200	11200	11200	11200	11200
35	Btu/h	22200	22000	21700	21100	20300	19400	18400
	Watts	8640	8800	8910	9010	9080	9130	9180
	Amps							
	Lb/h							
40	Btu/h	24300	24000	23400	22600	21600	20600	19500
	Watts	8690	8840	8950	9040	9120	9180	9240
	Amps							
	Lb/h							
45	Btu/h	16700	16100	15300	14300	13200	12000	10800
	Watts	914	1050	1160	1260	1340	1410	1480
	Amps	4.41	4.14	4.11	4.25	4.51	4.81	5.11
	Lb/h	186	186	183	178	171	163	153
50	Btu/h	11600	10800	9720	8550	7280	5960	4640
	Watts							
	Amps	3660	3660	3660	3660	3660	3660	3660
	Lb/h	6860	6860	6850	6850	6840	6830	6820
55	Btu/h	21500	20400	19100	17700	16300	14800	13400
	Watts	981	1110	1220	1320	1410	1510	1610
	Amps	4.00	3.77	3.78	3.98	4.31	4.70	5.09
	Lb/h	243	238	231	222	213	202	191

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-1.339487E+06	-1.036947E+06	6.434474E+05	1.169402E+06
C2	9.437430E+04	7.405628E+04	-4.610399E+04	-8.381450E+04
C3	7.194317E+02	9.794222E+01	-4.438512E-01	8.805660E+00
C4	-2.172549E+03	-1.721176E+03	1.072375E+03	1.949763E+03
C5	-9.444005E+00	-9.648922E-01	-7.490404E-04	-1.046203E-01
C6	-4.232495E+00	-5.638450E-01	3.680719E-03	-4.841981E-02
C7	1.647664E+01	1.303709E+01	-8.124058E+00	-1.477073E+01
C8	-8.026705E-03	2.016225E-03	9.537984E-07	-3.534346E-05
C9	2.990427E-02	3.913197E-03	5.932536E-06	3.523391E-04
C10	6.944546E-03	9.722163E-04	-1.024615E-05	6.950073E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature